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3 OUTER CASING STRUCTURE AND FABRICATION METHOD FOR
4 CABLE SECTIONS AND NAVY BUOYANT ANTENNAS
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6 ABSTRACT OF THE DISCLOSURE

7 The present invention relates to a cable section assembly
8 for marine applications having a core structure, such as a
9 buoyant cable antenna interim manufacturing step subassembly, and
10 a protective casing formed from a heat shrinkable tubing which
11 together with the interim subassembly forms a complete assembly.
12 For buoyant cable assembly applications the interim subassembly
13 is at least partially formed of polyurethane material having
14 glass microballoons distributed therein, with such material in
15 any event occupying an outer layer portion of the subassembly.
16 The cable section assembly of the present invention is formed by
17 providing a length of heat shrinkable flexible tubing, inflating
18 or expanding the heat shrinkable tubing to its approximate full
19 diameter, inserting the core structure into the length of tubing,
20 and shrinking the tubing around the core structure.